

F I G. 1

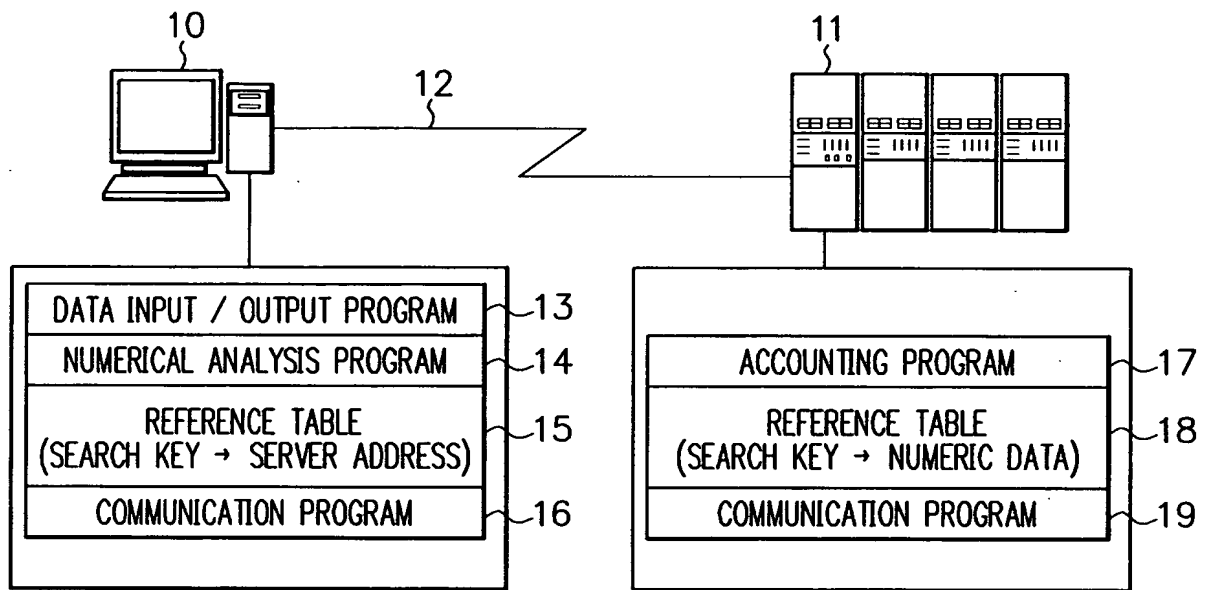


FIG. 2

1
}

*TITLE	; TITLE OF SIMULATION	2
:		
*NODE	; NODAL POINT DATA	3
:		
*ELEMENT, TYPE=SHELL, NAME=BLANK	; ELEMENT DATA (NAME='BLANK')	4
:		
*MATERIAL, NAME=BLANK	; PHYSICAL PROPERTY DATA (NAME='BLANK')	5
TYPE=MECHANICAL, SOURCE=INPUT, MODEL=003, CONSTANTS=8		
2.06e5, 0.3, 150, 350, 0.225, 0.0015, 2.1, 7.8e-9		
*GEOMETRY, NAME=BLANK	; GEOMETRICAL SHAPE DATA (NAME='BLANK')	6
1.2		
*BOUNDARY	; BOUNDARY CONDITION DATA	7
:		
*STEP	; CALCULATION CONDITION	8
:		
*END STEP		

FIG. 3

1
}

*TITLE	; TITLE OF SIMULATION	
:		2
*NODE	; NODAL POINT DATA	
:		3
*ELEMENT, TYPE=SHELL, NAME=BLANK	; ELEMENT DATA (NAME='BLANK')	
:		4
*MATERIAL, NAME=BLANK	; PHYSICAL PROPERTY DATA (NAME='BLANK')	
TYPE=MECHANICAL, SOURCE=NET		
spcc, MODEL=003		5
*GEOMETRY, NAME=BLANK	; GEOMETRICAL SHAPE DATA (NAME='BLANK')	
1.2		6
*BOUNDARY	; BOUNDARY CONDITION DATA	
:		7
*STEP	; CALCULATION CONDITION	
:		8
*END STEP		

F I G. 4

MATERIAL NAME (SEARCH KEY 1)	DATA TYPE (SEARCH KEY 2)	MATERIAL MODEL IDENTIFICATION NUMBER (SEARCH KEY 3)	DATA SERVER IDENTIFICATION NUMBER
spcc	MECHANICAL	001	www.abc.com
spcc	MECHANICAL	002	www.abc.com
spcc	MECHANICAL	003	www.abc.com
:	:	:	:
spcc	THERMAL	001	www.def.com
:	:	:	:
sus304	MECHANICAL	001	www.def.com
:	:	:	:
a1050p	MECHANICAL	001	www.ghi.com
:	:	:	:
:	:	:	:
:	:	:	:

FIG. 5

MATERIAL NAME (SEARCH KEY 1)	DATA TYPE (SEARCH KEY 2)	MATERIAL MODEL IDENTIFICATION NUMBER (SEARCH KEY 3)	NUMERIC DATA
spcc	MECHANICAL	001	*, *, *, *, *, *, ...
spcc	MECHANICAL	002	*, *, *, *, *, *, ...
spcc	MECHANICAL	003	206e5, 0.3, 150, 350, 0.225, 0.0015, 21, 7.8e-9
:	:	:	*, *, *, *, *, *, ...

FIG. 6

MODEL CREATION SYSTEM

**MATERIAL PROPERTIES
INPUT SCREEN**

601 MATERIAL NAME

JSC590

602 DATA TYPE

MECHANICAL

603 MATERIAL MODEL
☐ RESILIENCE
☒ ELASTO-PLASTIC 1
☐ ELASTO-PLASTIC 2

604

SET

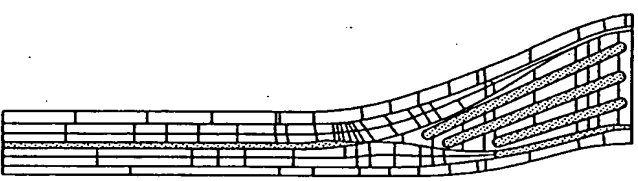
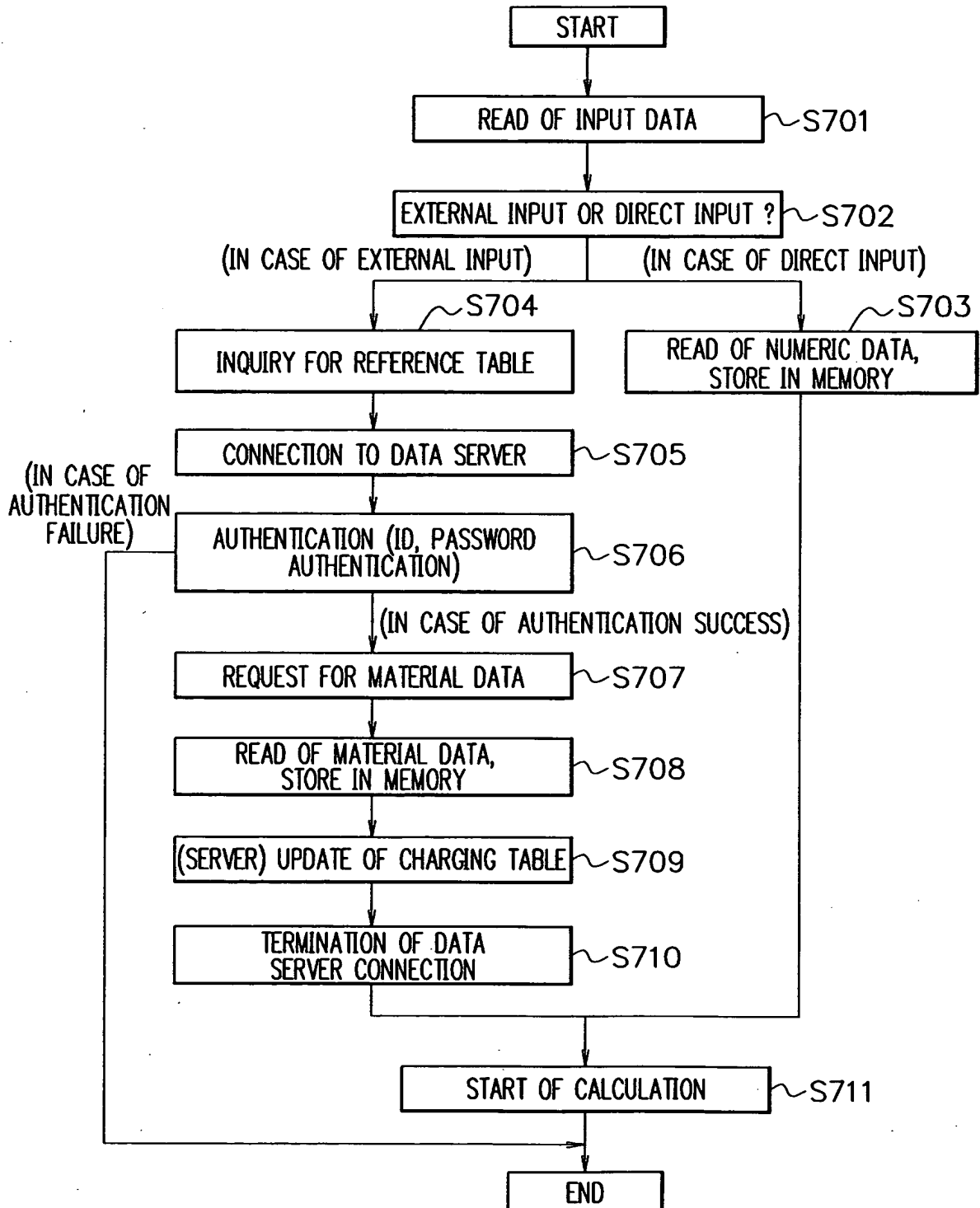


FIG. 7



F I G. 8

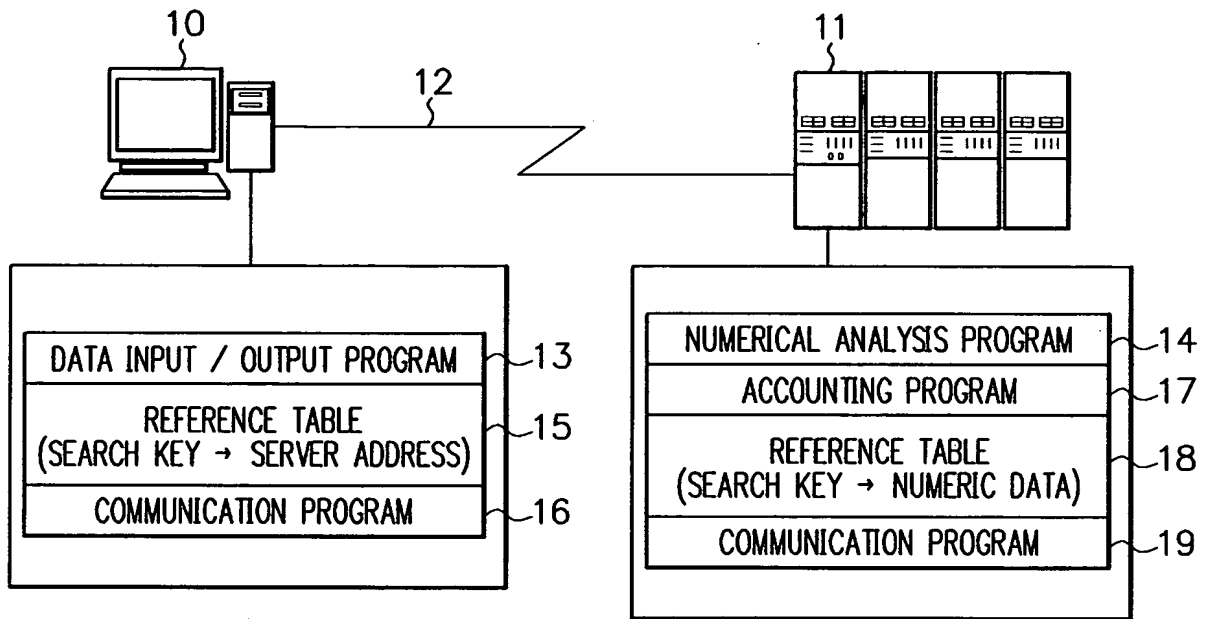


FIG. 9A

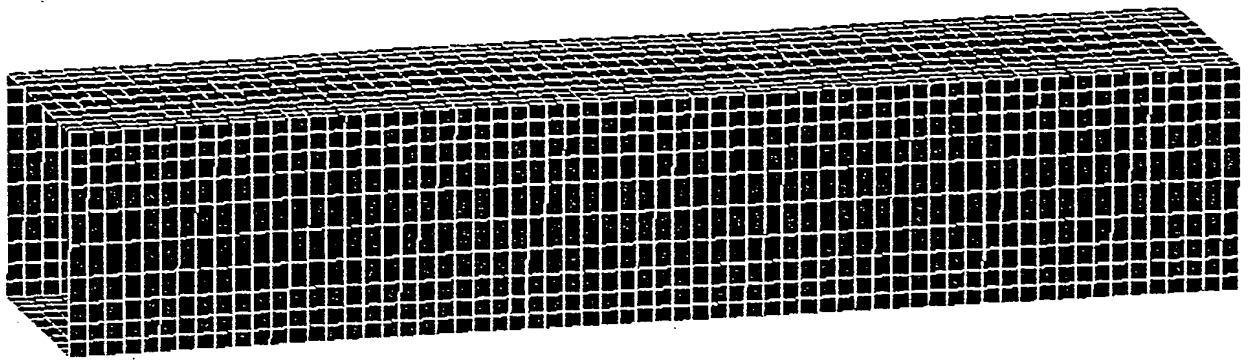
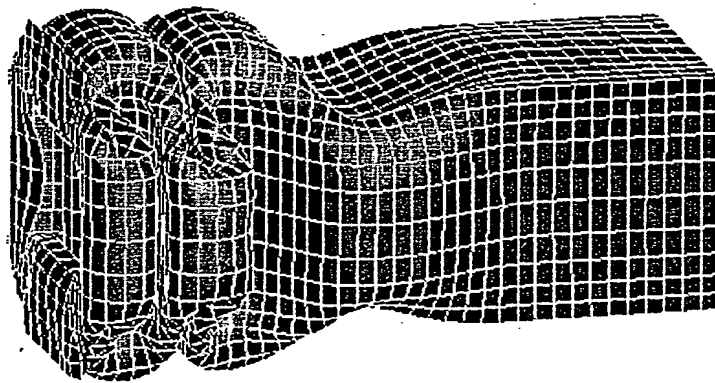


FIG. 9B



F I G. 10

